Bill No : Ist and Final

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638114

Serial No. JOB code :- 011-19-000010

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Sri nagaar Lokanadha Reddy

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work :- Maintenance of UGD lines in Kuvempunagara areas in ward No-11 (Kuvempunagara) H/A : P 32-95 14th Finance commission works - UGD works AS No :- EE/project/Ynrk Zone/AS/99/2018-19 Dtd : 06/3/2019 WO No : EE/project/Ynrk Zone/WO/99/2018-19 Dtd : 06/3/2019						
	Item No. 2 :- Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits complete as per specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C&Fc Kundvets A.E.E. (Project)	1	4·50	1·50	1·50 =	10·13	
		1	15·00	1·50	1·50 =	33·75	
		1	15·25	1·50	1·50 =	34·31	
		1	15·00	1·50	1·50 =	33·75	
		3	3·14	1·68	1·80 =	11·96	
				4	Total	123·90 cum	

Item no3:- Excavation 1·5m and above in width soft rock without blasting for foundation of buildings, water supply, sanitary lines and electrical conduits complete as per specification.

C&Fc Kundvets A.E.E. (Project) 26/11/2022

		1	9·40	1·50	1·50 = 21·15
		1	9·20	1·50	1·50 = 20·70
				Total	41·85 cum

1a 26/11/2022

1a 26/11/2022

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638115

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 4 :- providing and laying in position plain cement concrete of mix 1:4:8 (as per design) using 40mm and down size. complete as per specification Bed concrete						
		1	4.50		= 4.50		
		1	15.00		= 15.00		
		1	15.25		= 15.25		
		1	15.00		= 15.00		
		1	9.40		= 9.40		
		1	9.20		= 9.20		
					Total	68.35	Rmtr

C & FC
Kurundvad
26/11/2022
A.E.E. (Project)

26/11/2022

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item nos:- providing and laying in position to required level or slope 300mm internal dia salt glazed stoneware pipe complete as per specification						
	C&R	1	4.50		=	4.50	
	Foundry	1	15.00		=	15.00	
	A.E.E. (Project) 26/11	1	15.25		=	15.25	
		1	15.00		=	15.00	
				Total		49.75	Rmtr
	Item no 6:- providing and laying in position to required level or slope 230mm internal dia salt glazed stoneware pipe grade A complete as per specification						
	C&R	1	9.40		=	9.40	
	Foundry	1	9.20		=	9.20	
	Asst. Executive Engineer Project Division Velahanka Zone 26/11			Total		18.60	Rmtr

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Bill No :- IST and Final

M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. Job code : 011-19-000010 638144

Name of work Maintenance of UG lines in Kuvempunagara in ward no 11 From ..... To .....

Name of Contractor of nature of Agency Sri. Nagaoor Lokanandha Reddy

Date of commencement of work..... W.O No : - EE/project/yelk zone/100/99 2018-19 Dt 06-08-2018

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no 1 :- Dismantling of cement concrete pavement by mechanical means using pneumatic tools complete as per Specification Item not operated						
	Item no 2 :- Earth work excavation for foundation of buildings, water supply sanitary lines and electrical conduits complete as per Specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide this MB of page no- 638115 → 123.90 cum @ 478.94 /cum						
	Qty upto 125% → 179.92						
	Qty limited to approved Qty → 119.92 → 57074.72						
	Item no 3 :- Excavation 1.5m and above in width Soft rock without blasting for foundation complete as per Specification						
	Qty vide this MB of pg no- 638115 → 41.85 cum @ 1506.28 /cum → 63037.00						

19/12/2022

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638145

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 4:- providing and laying in position plain cement Concrete of mix 1:4:8 (as per design) complete as per Specification &c vide this MB of p.g no 63811/5 @ 1389.66 / Qmtr					68.35 Rmtr → 94983.00	
9/12/2021	Item nos:- providing and laying in position to required level or slope 300 mm internal diameter salt glazed Stone ware pipes complete as per Specification						

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide this MB of p.no 638 116 → @ 668.86 /Rmtr					49.75 Rmtr →	33276.00
	Item no 6 :- providing and laying in position to required level or sloper 230 mm internal diameter salt glazed stone ware pipe complete as per specification						
	Qty vide this MB of p.no 638116 → @ 568.16 /Rmtr					18.60 →	10568.00
	Item no 7 :- Constructing brick masonry circular type manhole 1.22m internal dia at bottom 1.68m deep 0.56m dia at top complete as per Specification						

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M. A. R. 57 (Rule 116) **No. E** 638146

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C&RC Trivandrum 19/12/22 A.E.E. (Project)	3 Nos	@ 31077.08/No		→	3 Nos →	93231.00
						1 Nos 19/12/2022	
	Item No8:- Refilling available earth around pipelines cables in layers not exceeding 20cm in depth complete as per Specification						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	C&FC Krishnadas A.E.E. (Project)	1	4.50	1.50	1.50	10.13	
		1	15.00	1.50	1.50	33.75	
		1	15.25	1.50	1.50	34.31	
		1	15.00	1.50	1.50	33.75	
		1	9.40	1.50	1.50	21.15	
		1	9.20	1.50	1.50	20.70	
					Total	153.79 cum	
	Consider 70% of the total Qty					107.65 cum	
	@ 128.26 / cum					13807.00	
							19/12/22

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638147

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 9: providing and laying in position plain cement concrete @ mix 1:4:8 with age complete as per specification						
		1	15.00		(6.10+5.0)/2 × 0.15 =	12.49	
		1	15.00		(5.0+4.3)/2 × 0.15 =	10.46	
		1	3.20		(4.3+4.2)/2 × 0.15 =	2.04	
		1	15.00		(4.3+4.3)/2 × 0.15 =	9.56	
						34.55	

Calc checked 19/12/24

A.E.E. (Project)

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
		1	6.2	$\frac{(4.3+4.7)}{2}$	0.15	4.19	
		1	4.4	1.70	0.15	1.12	
	Deduction	2	3.14	$\frac{(1.68 \times 1.68)}{4}$	0.15	-0.66	
						39.20 Cum	
	Qty Restricted to approved Qty					27.45 Cum	
	Qty up to 125% @ 5408.12/Cum					→ 27.45 → 148452.0	

C & FC
Executive Engineer
A.E.E. (Project)

19/12/2022

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638148

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No10:- Cement Concrete pavement construction un-reinforced plain Cement concrete pavement complete as per Specification						
		1	15.00	$\left(\frac{6.10+5.0}{2}\right)$	0.15 =	12.49	
		1	15.00	$\left(\frac{5.0+4.3}{2}\right)$	0.15 =	10.46	
		1	3.20	$\left(\frac{4.3+4.2}{2}\right)$	0.15 =	2.04	
						24.99	

C&Fc
Kumudini
19/12/22
A.E.E. (Project)

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
		1 X 15.00 x $\frac{(4.2+4.3)}{2}$ x 0.15 = 9.56				C/F 24.99	
		1 x 6.20 x $\frac{(4.3+4.7)}{2}$ x 0.15 = 4.19					
		1 x 4.40 x 0.70 x 0.15 = 1.12					
	Deduction	2 x 3.14 x $\frac{1.68 \times 1.68}{4}$ x 0.15 = - 0.65					
						39.20 cum	
	Qty Restricted to approved qty @ 5210.96					- 27.45 cum	
	Qty upto 125%					- 27.45 →	143041.00

C/F

Kundry

A.E.E. (Pro) 19/12/22

19/12/2022

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638149

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 11 :- Vaccum De-watering with vaccum pump and suction mat and compaction with Skin floater complete as per specification						
		1	15.00		(6.10+5.10)/2	83.25	
		1	15.00		(5.0+4.3)/2	69.75	
		1	3.20		(4.3+4.2)/2	13.60	
		1	15.00		(4.2+4.3)/2	63.75	230.35

Recommended
19/12/22
A.E.E. (Project)

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					C/F	230.35	
		1	6.2	$\frac{4.3+4.7}{2}$	=	27.90	
		1	4.40	1.70	=	7.48	
	Deduction	2	3.14	$\frac{1.68 \times 1.68}{4}$	=	-4.43	
				Total		261.30	Sqm
	Qty Restricted to approved qty @ 72.08					116.01	Sq m
	Qty upto 125%.				→	116.01 →	8362.00

CRF
Executive Engineer
19/12/22
A.E.E. (Project)

19/12/2022

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

638150

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no 12: providing cast iron footrest and fixing in manhole with 1:3:6 Cement concrete complete as per Specification						
		2x2					
		3x3			=	9.00 Nos	
	@ 250.16 / Nos				→	2251.00	
					Total =	668082.00	
					GST 12% =	80169.84	
					Total	748251.84	

C&FC
Kumudvati
19/12/22
A.E.E. (Projects)

Noted due to ₹, 41,800 19/12/2022

₹. 48200 -

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	note :- (1) It is certified that the above work done satisfactorily						
	(2) The bill amount is not operated in any previous bill						
	Asst. Executive Engineer Project Division Yelahanka Zone BBMP, Bangalore - 92.					9 19/12/2022	

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

Serial No. .....

638151

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kuvempunagara main road storm water drain 8th cross Hosabalu nagar 19/12/2022						

Asst. Executive Engineer
Project Division

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	P 3295						
	Head of Account..... Audited & admitted for Rs. ₹4,11,800.00						
	..... 6,90,750.00 ....by Cheque and Rs. ₹21050-00 by Adjustment						
		Dg	₹4,11,800.00				
		ಪಿಟ	₹500.00				
		ಕೆಂಪು	660.00				
		ಕಪ್ಪು	660.00				
		ಅಲ್ಯೂ	₹50.00				
		ಅಲ್ಯೂ	₹5000.00				
		ಮಿಶ್ರ	22,000.00				
			₹21050.00				
			6,90,750.00				

Acct. Clerk
Project Division

Acct. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P.

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